

Listing of Claims:

1. (Currently Amended) A reforming apparatus that generates hydrogen from fuel, comprising:

a plurality of reactors each having an internal space ~~and~~
for reacting fuel, in the and each internal space having a
5 respective operating temperature; and

a heat insulating package ~~that~~ which contains the plurality
of reactors, ~~[[;]]~~ and which comprises a plurality of sides
including:

only one support side which is provided with at least
10 one support a heat insulator that: (i) includes at least one
first passage hole for supplying the fuel to the reactors and at
least one second passage hole for draining generated hydrogen
from the reactors, and (ii) supports the plurality of reactors to
be separated from an inner wall of the heat insulating package;
15 and

at least one non-support side which is not provided
with the support;

wherein the plurality of reactors are stacked upwardly in an
increasing order of the respective operating temperatures from
20 the one support side of the heat insulating package.

2. (Original) The reforming apparatus according to claim 1, wherein at least one support member that supports the plurality of reactors to be spaced from one another is disposed between adjacent reactors among the plurality of reactors.

3. (Currently Amended) The reforming apparatus according to claim 2, wherein ~~a passage hole is formed on the~~ said at least one support member includes a support member passage hole, and the internal spaces of the plurality of reactors communicate with one another through the support member passage hole.

4. (Currently Amended) The reforming apparatus according to claim 1, wherein the plurality of reactors ~~includes~~ include a first evaporator that evaporates a liquid mixture of fuel and water, a reformer that reforms the liquid mixture of fuel and water evaporated by the first evaporator to a gaseous mixture containing hydrogen gas, and a carbon monoxide remover that reacts carbon monoxide contained in the gaseous mixture to remove the carbon monoxide, and

wherein the first evaporator, ~~and~~ the carbon monoxide remover and the reformer are stacked in order upwardly from the ~~heat insulator~~ the one support side of the heat insulating package.

5. (Original) The reforming apparatus according to claim 1, further comprising a combustor corresponding to at least one of the plurality of reactors.

6. (Currently Amended) The reforming apparatus according to claim 4, further comprising a second evaporator that evaporates fuel, and a first combustor that burns fuel evaporated by the second evaporator, wherein the second evaporator, the first evaporator, the first combustor, the carbon monoxide remover, ~~the~~ a second combustor, the reformer, and a third combustor are stacked in order upwardly from the heat insulator the one support side of the heat insulating package.

7. (Currently Amended) The reforming apparatus according to claim 6, further comprising:

a first support member that is disposed between the second evaporator and the first evaporator to support the second evaporator and the first evaporator to be separated from each other;

a second support member that is disposed between the first combustor and the carbon monoxide remover to support the first combustor and the carbon monoxide remover to be separated from each other; and

a third support member that is disposed between the second ~~evaporator~~ combustor and the reformer to support the second ~~evaporator~~ combustor and the reformer to be separated from each other.

8. (Currently Amended) The reforming apparatus according to claim 1, wherein a radiation-reflecting layer is formed on ~~an~~ the inner wall of the heat insulating package.

9. (Original) The reforming apparatus according to claim 8, wherein the radiation-reflecting layer is formed of at least one of Au, Ag, and Al.

10. (Currently Amended) The reforming apparatus according to claim 1, wherein an interior pressure of ~~the~~ internal space in the heat insulating package is set to 1 Pa or less.

11. (Currently Amended) The reforming apparatus according to claim 1, wherein ~~the internal space~~ an interior of the heat insulating package is filled with an inert gas selected from methane containing fluorine, polyhalogenated derivative gas of
5 ethane and carbon dioxide.

12. (Original) The reforming apparatus according to claim 1, wherein the internal space of any one of the plurality of reactors is partially shaped like a winding passage.

13. (Currently Amended) The reforming apparatus according to claim 7, wherein a ~~passage hole~~ pathway is formed through the heat insulating package and the support provided on the support side of the heat insulating package that leads to the internal space of the second evaporator from ~~the passage~~ outside the heat insulating package ~~through the heat insulating package and the heat insulator~~.

14. (Currently Amended) A reforming apparatus according to claim 1, wherein the plurality of reactors include: that ~~generates hydrogen from fuel comprising:~~

a reformer that reforms fuel in ~~an~~ the internal space of the reformer;

an evaporator that evaporates fuel in ~~an~~ the internal space of the evaporator; and

a heat propagating section disposed between the reformer and the evaporator to propagate heat ~~of~~ generated by the reformer to the evaporator.

15. (Original) The reforming apparatus according to claim 14, wherein the heat propagating section is a carbon monoxide remover.

16. (Original) The reforming apparatus according to claim 14, wherein at least one support member is disposed among the reformer, the evaporator, and the heat propagating section.

17. (Currently Amended) The reforming apparatus according to claim 16, wherein ~~a passage hole is formed on~~ the support member includes a support member passage hole, and the internal spaces of the reformer and the evaporator communicate with each other through the support member passage hole.

Claim 18 (Canceled).

19. (New) A reforming apparatus that generates hydrogen from fuel, comprising:

a plurality of reactors each having an internal space for reacting fuel;

a heat insulating package that contains the plurality of reactors; and

a heat insulator that supports the plurality of reactors to be separated from an inner wall of the heat insulating package;

wherein the plurality of reactors include a first evaporator
10 that evaporates a liquid mixture of fuel and water, a reformer
that reforms the liquid mixture of fuel and water evaporated by
the first evaporator to a gaseous mixture containing hydrogen
gas, and a carbon monoxide remover that reacts carbon monoxide
contained in the gaseous mixture to remove the carbon monoxide,
15 and wherein the first evaporator, and the carbon monoxide remover
and the reformer are stacked in order upwardly from the heat
insulator; and

wherein the plurality of reactors further include a second
evaporator that evaporates fuel, and a first combustor that burns
20 fuel evaporated by the second evaporator, and wherein the second
evaporator, the first evaporator, the first combustor, the carbon
monoxide remover, a second combustor, the reformer, and a third
combustor are stacked in order upwardly from the heat insulator.

20. (New) The reforming apparatus according to claim 19,
further comprising:

a first support member that is disposed between the second
evaporator and the first evaporator to support the second
5 evaporator and the first evaporator to be separated from each
other;

a second support member that is disposed between the first
combustor and the carbon monoxide remover to support the first

10 combustor and the carbon monoxide remover to be separated from
each other; and

a third support member that is disposed between the second combustor and the reformer to support the second combustor and the reformer to be separated from each other.

21. (New) The reforming apparatus according to claim 20, wherein a pathway is formed through the heat insulating package and the heat insulator that leads to the internal space of the second evaporator from outside the heat insulating package.